

OEK PROJECT

© 2018 Sandra Schön and Martin Ebner

Originally developed in German for OEK170 - Informationsstelle OEK (2017) - <https://open-educational-resources.de/der-oer-canvas-tell-1/>



THE LEARNING RESOURCE

Smoke sensor with 5 buzzer

Which resource should be developed?
For example learning video, textbook, worksheet, online course

Who will learn with this resource?
For example students 4th grade, Bavaria, Germany

What prior knowledge is needed?

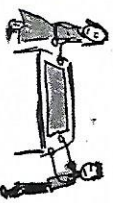
STEM skills, Math, Coding

What should be known afterwards?

USE OF THE RESOURCE(S)

In which context?
For example: In learning maths

Learning STEM, STEAM, robotics, basic programming of Arduino



Who will use it?
For example: teachers and parents of fourth grade students

LICENSE OF THE RESOURCE(S)

How to use the resource?
(see: <https://creativecommons.org/choose/>)

Who should we acknowledge? (attribution of people and organisations)?

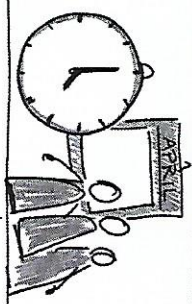
FORMAT OF THE RESOURCE(S)

Which formats should be supported? For example for a textbook: html, odt or pdf?

mp4
video format

(1) bin
0 €
Sensors and buzzer

PROJECT ORGANISATION



WHEN?	WHAT?	TOOLS!	WHO?
October 2019	project plan	Pencil and paper to design the idea	2 Teachers
October 2019	partner search	Organising a working group	12 students
November 2019	organisation	Arduino tutorials, designing a prototype	2 teachers
December 2019	draft materials	Putting circuits together	4-12 students
January 2020	quality assurance	Testing Arduino	2 teachers
February 2020	layout/production	Adjusting values make a video	2 teachers
March-April 2020	publication/PR	licence it, upload present, share	4-12 students

EFFORT (IN HOURS)

2 hours
2 hours
2 hours
4 hours
6 hours
4 hours
4 hours

WHAT ELSE CAN BE DONE WITH THE OER?

EXISTING MATERIALS
license selected under the license that you are allowed to use these materials. Make sure! Attention!

Youtube tutorials, Forum Arduino cc
Audacity
OpenShot
Google classroom

PARTNERS
Who else do we need?

INCENTIVES FOR COLLABORATION

Give credit in the attribution
Prepare a printed version for the authors
Create distributable resource
Share programming code
That can be re-used (re-edited)

DISTRIBUTING THE OER

Cit hub,
3lyk-veroias.iwa.sch.gr

ARCHIVING THE OER

Cit hub,
3lyk-veroias.iwa.sch.gr

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